



DEFENSE LOGISTICS AGENCY  
LAND AND MARITIME  
POST OFFICE BOX 3990  
COLUMBUS, OH 43218-3990

September 26, 2012

Mr. Mike Ryan  
Sensitron Semiconductor  
221 West Industry Court  
Deer Park, NY 11729-4681

Dear Mr. Ryan:

Re: Notification of Qualification, MIL-PRF-19500P, FSC 5961; VQ (VQE-12-025146) CAGE Code: 13409, Control Number 037420

This letter amends letter number VQE-12-025033 which omitted qualified devices 1N5415 – 1N5418 & US as shown below.

Qualification of your product is granted under the current issue of the specification as a result of successful testing of device types JANTXV1N5420 and JANS1N5420 to Performance Specification MIL-PRF-19500P, Semiconductor Devices, FSC 5961, and performance specification /411N. Extension is granted to the other devices listed below as allowed by paragraph E.4.2.2 (Qualification by extension). Therefore, your products will be listed as shown below in the Qualified Manufacturers List (QML) 19500. The effective date of this qualification is Sept 05, 2012. The beginning lot date code for this qualification is 1202.

Thermal Impedance conditions and limits are as follows (subject to change after 5 lots with approval of the qualifying activity):  $I_m=10$  mA,  $I_h=15$  A,  $t_H=10$  msec,  $t_{MD}=70$   $\mu$ sec,  $Z_{\theta JX}=1.43$  °C/W max (Screening);  $Z_{\theta JX}=1.45$  °C/W max (QCI)

Government Designation	ESD Class	Manufacturer Designation	Test Report Reference	Prf Spec	Manufacturer Name & Address
** 1N5415 thru 1N5420 S 1N54115 thru 1N5420 ** 1N5415US thru 1N5420US S 1N5415US thru 1N5420US	3B	CQN	19500-3621-12	/411	Same as above
** 1N5186 thru 1N5188 ** 1N5190				/124	
** Includes JAN, JANTX & JANTXV quality levels S Includes JANS quality level					Plant (1): Same as above

This qualification approval is based upon test report numbers 19500-3621-12 for your die and package, your letter dated August 2, 2012 and subsequent data and emails. This approval is subject to the conditions as stated in the SD-6 and DOD 4120.24M.

Because we are held responsible for the accuracy and currency of this Qualified Manufacturers List, please let us know if your company discontinues production of these products. Also, manufacturers are required to inform this office immediately after learning of a potential issuance of a GIDEP alert, problem advisory, or other problem notification on their QML product. If you have any questions concerning this letter, please contact Mr. Zade Karadsheh (614) 692-0611.

Sincerely,

/SIGNED/

JOSEPH GEMPERLINE  
Chief  
Sourcing and Qualifications Division

